

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Amended) A hybrid material comprising:
a ceramic with void space; and
a metal;
wherein the metal is covalently bonded to the ceramic such that a percentage of the void space remains void.
2. (Original) The material of Claim 1, wherein the ceramic comprises silica.
3. (Original) The hybrid material of Claim 2, wherein the ceramic comprises 100% silica.
4. (Original) The hybrid material of Claim 3, wherein the ceramic comprises up to 50% cristobalite.
5. (Original) The hybrid material of Claim 1, wherein the ceramic material comprises up to 60% alumina.
6. (Original) The hybrid material of Claim 2, wherein the metal is selected from the group consisting of: Mg, Ca, Sc, Ti, Cr, Mn, Fe, Co, Ni, Cu, Zn, Pd, Ag, Cd, Pt, Au, any ionic forms thereof, and any combinations thereof.
7. (Original) The hybrid material of Claim 1, wherein the metal is an alloy.

8. (Original) The hybrid material of Claim 1, wherein at least 50% of the void space is occupied by the metal.

9. (Original) The hybrid material of Claim 1, wherein at least 80% of the void space is occupied by the metal.

10. (Original) The hybrid material of Claim 1, wherein at least 95% of the void space is occupied by the metal.

11. (Amended) The hybrid material of Claim 1, wherein the hybrid material metal comprises at least 50% of the hybrid material by weight metal.

12. (Original) The material of Claim 1, wherein at least 98% of the void space is filled with the metal.

13. (Amended) The hybrid material of Claim 1, wherein the hybrid material metal comprises at least 50% of the hybrid material by volume metal.

14.-36. (Cancelled)